

Converting Colors

$Yxy(51.3752, 0.2240, 0.2596)$

Have a look what the booklet for
Yxy(51.3752, 0.2240, 0.2596)
contains.

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Color

Yxy(51.4716, 0.2242, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	68C8FF
RGB	104, 200, 255
RGB Percent	41%, 78%, 100%
CMY	0.5921, 0.2157, 0.0000
CMYK	0.59, 0.22, 0.00, 0.00
HSL	202°, 100%, 70%
HSV	202°, 59%, 100%
XYZ	44.4185, 51.4716, 102.2300
YIQ	177.5660, -74.8710, -3.2470

Conversions

Conversions Part 2

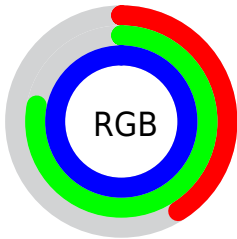
Format	Color
RYB	104, 163, 255
Decimal	6867199
CIELab	76.96, -12.69, -35.56
CIELCh	77, 37.756, 250.354
Yxy	51.4716, 0.2242, 0.2598
Android (android.graphics.Color)	4285057279 (0xFF68C8FF)
YUV	177.5660, 38.1750, -64.5174
Hunter-Lab	71.7437, -15.0372, -34.2637

Details

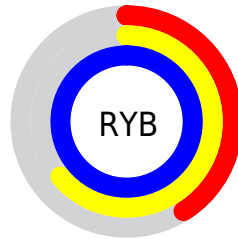
The Yxy color **51.4716, 0.2242, 0.2598** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.0640, 0.4586, 0.3844**, and the grayscale version is **44.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **24.8417, 0.2030, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **45.9956, 0.2126, 0.2457**, and if you desaturate by 10%, it is **57.6696, 0.2374, 0.2735**.

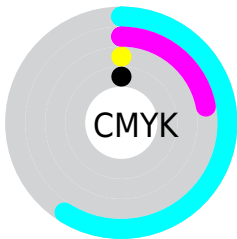
Distribution



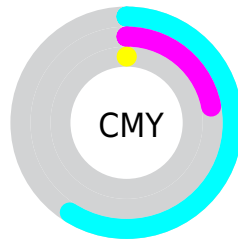
- Red (41%)
- Green (78%)
- Blue (100%)



- Red (41%)
- Yellow (64%)
- Blue (100%)



- Cyan (59%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4716, 0.2242, 0.2598 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 51.4716, 0.2242, 0.2598 by changing the saturation by 10% instead.

■ 51.4716, 0.2242,
0.2598

■ 51.4716, 0.2242,
0.2598

■ 392.3933, 0.2658,
0.2937

■ 36.5841, 0.2147,
0.2517

■ 92.3515, 0.2387,
0.2718

■ 24.8856, 0.2030,
0.2417

■ 119.1126, 0.2443,
0.2764

■ 15.9919, 0.1884,
0.2288

■ 150.6005, 0.2492,
0.2804

■ 9.5184, 0.1696,
0.2118

■ 187.1993, 0.2534,
0.2838

■ 5.0808, 0.1450,
0.1887

■ 229.2937, 0.2571,
0.2867

■ 2.2948, 0.1122,
0.1564

■ 277.2678, 0.2603,

■ 0.7709, 0.0607,

0.2893

0.1106

331.5062, 0.2632,
0.2916

0.0000, 0.0000,
0.0000

51.4716, 0.2242,
0.2598

51.4716, 0.2242,
0.2598

45.9956, 0.2126,
0.2457

57.6696, 0.2374,
0.2735

41.1950, 0.2030,
0.2315

64.6327, 0.2518,
0.2866

37.0136, 0.1955,
0.2173

72.3990, 0.2671,
0.2988

33.3696, 0.1900,
0.2036

81.0034, 0.2827,
0.3101

33.0964, 0.1896,
0.2025

90.4786, 0.2984,
0.3204

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4716, 0.2218, 0.2918



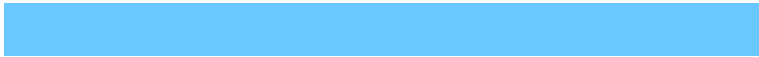
51.4716, 0.2242, 0.2598



51.4716, 0.2478, 0.2479

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4716, 0.2242, 0.2598



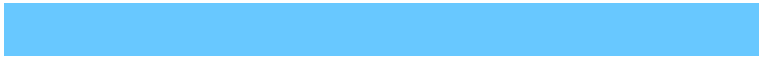
51.4716, 0.3880, 0.3129



51.4716, 0.3295, 0.4187

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.4716, 0.2242, 0.2598



47.0640, 0.4586, 0.3844

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.4716, 0.3768, 0.4172



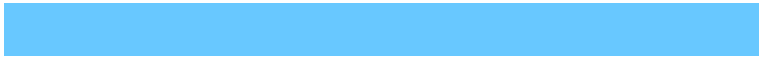
51.4716, 0.2242, 0.2598



51.4716, 0.4131, 0.3530

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.4716, 0.2242, 0.2598



51.4716, 0.3412, 0.2782



51.4716, 0.4082, 0.3911



51.4716, 0.2799, 0.3892

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4716, 0.2242, 0.2598



51.4716, 0.2739, 0.2506



51.4716, 0.4082, 0.3911



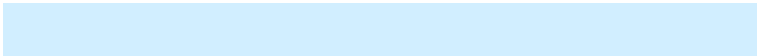
51.4716, 0.3462, 0.4216

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.4712, 0.2242, 0.2598



82.1011, 0.2846, 0.3114



76.8939, 0.2820, 0.4560



17.0116, 0.2800, 0.3083



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4712, 0.2242, 0.2598



45.0872, 0.2108, 0.2432



25.2570, 0.2028, 0.1636



19.3033, 0.2980, 0.3201



17.5878, 0.1902, 0.2048



1.9206, 0.1946, 0.2205

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.3345, 0.3764, 0.2349



29.8268, 0.3951, 0.2229



80.1720, 0.4093, 0.4514



18.1815, 0.3194, 0.3140



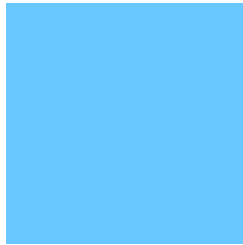
12.5035, 0.4399, 0.2197



1.2384, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 51.4716, 0.2242, 0.2598 looks on a white background.

Color Contrast Check

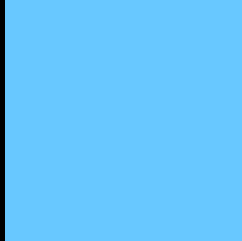
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 51.4716, 0.2242, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

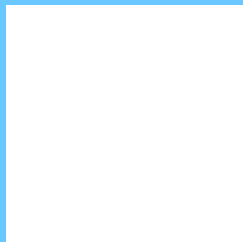
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4716, 0.2242, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 51.4716, 0.2242, 0.2598.



This preview shows how white text looks on a background with the Yxy color 51.4716, 0.2242, 0.2598.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.4716, 0.2242, 0.2598

Protanopia

51.0175, 0.2626, 0.2603

Deuteranopia

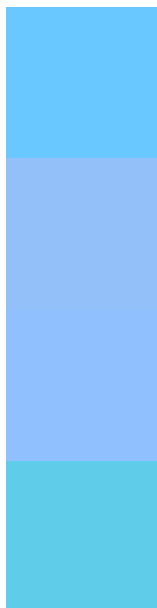
51.1957, 0.2544, 0.2496



Tritanopia

51.5902, 0.2349, 0.3070

Trichromacy



Original Color

51.4716, 0.2242, 0.2598

Protanomaly

50.8347, 0.2459, 0.2595

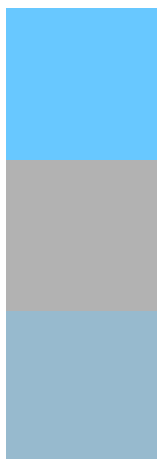
Deuteranomaly

50.9390, 0.2412, 0.2529

Tritanomaly

51.5591, 0.2308, 0.2891

Monochromacy



Original Color

51.4716, 0.2242, 0.2598

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.1534, 0.2715, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4716, 0.2242, 0.2598 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 200, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.4716, 0.2242, 0.2598 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 200, 255) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(104, 200, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(104, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4716, 0.2242, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 200, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
200, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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